

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|---|--|------------------|---------|---------------------|
| L1 | 5 | ("3795977" "5811181").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:02 |
| L2 | 410660 | "metal oxide" or (metal adj oxide) or metal? oxide | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:02 |
| L3 | 6 | (jp-08306806-\$ jp- 07263646-\$ jp- 08161933-\$).did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/07 12:02 |
| L4 | 18 | (jp-10341002-\$ jp- 08031960-\$ jp- 1052397-\$ jp- 10152398-\$ jp- 2003077911-\$ jp- 2814416-\$ jp-2779997- \$ jp-09306806-\$ jp- 07263646-\$ jp- 08161933-\$ JP- 50004986-\$ jp- 49034390).did. ("3795977" "5811181"). PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/07 12:02 |
| L5 | 1053 | ((HIDEAKI) near2 (SAKAI)).INV. ((MASARU) near2 (SHIMADA)).INV. ((YOSHITO) near2 (JIN)).INV. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/07 12:02 |
| L6 | 69221 | source drain gate 2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:05 |
| L7 | 213331 | gate with insulat\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:06 |

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|-----|-------|---|--|-----|----|---------------------|
| L8 | 30733 | 6 7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:06 |
| L9 | 23804 | 6 7 electrode | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:06 |
| L10 | 14253 | 9 (resistance or resistivity) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:06 |
| L11 | 194 | bistable 10 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:06 |
| L12 | 5 | (257/1-5 or 438/102- 103 or 365/163).ccls. 11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:07 |
| L13 | 731 | ueno.inv. 2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:19 |
| L14 | 129 | ueno.inv. 6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:19 |
| L15 | 99 | ueno.inv. 6 7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:19 |
| L16 | 9824 | "srtio.sub.3" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:20 |

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| L18 | 1121 | sr tio | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:20 |
| L20 | 120 | sr adj ti adj o | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:20 |
| L25 | 73 | ueno.inv. 10 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:22 |
| L26 | 21 | 16 11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:23 |
| L27 | 2 | 16.ii. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:24 |
| L28 | 25 | 16 with fet | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:25 |
| L29 | 147 | 16 with (transistor or fet) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:25 |
| L30 | 294128 | gate with (oxide or insulat\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:25 |
| L31 | 16 | 28 30 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:25 |

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|-----|----|---|--|-----|----|---------------------|
| L32 | 0 | bistable 31 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:28 |
| L33 | 6 | bistable 29 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 12:28 |
| L35 | 0 | 2005/0111256.PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 18:00 |
| L36 | 2 | "20050111256".PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/07 18:00 |
| S2 | 6 | (jp-08306806-\$ jp-07263646-\$ jp-08161933-\$).did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/17 19:27 |
| S3 | 2 | "US 20070107774" | US-PGPUB; USPAT; USOCR; DERWENT | AND | ON | 2008/12/17 19:28 |
| S4 | 18 | (jp-10341002-\$ jp-08031960-\$ jp-1052397-\$ jp-10152398-\$ jp-2003077911-\$ jp-2814416-\$ jp-2779997-\$ jp-09306806-\$ jp-07263646-\$ jp-08161933-\$ JP-50004986-\$ jp-49034390).did. ("3795977" "5811181").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/17 19:33 |
| S5 | 10 | ((HIDEAKI) near2 (SAKAI)).INV. ((MASARU) near2 (SHIMADA)).INV. ((YOSHITO) near2 (JIN)).INV. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/17 19:33 |

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| S6 | 1042 | ((HIDEAKI) near2 (SAKAI)).INV. ((MASARU) near2 (SHIMADA)).INV. ((YOSHITO) near2 (JIN)).INV. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/17 19:33 |
| S7 | 388260 | "metal oxide" or (metal adj oxide) or metal? oxide | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/17 19:34 |
| S8 | 58701 | electrode resistance oxide S7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/17 19:35 |
| S9 | 5327 | electrode resistance oxide S7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2008/12/17 19:35 |
| S10 | 170 | (electrode resistance oxide S7).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2008/12/17 19:35 |
| S11 | 1 | S10 and S6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2008/12/17 19:36 |
| S12 | 1042 | ((HIDEAKI) near2 (SAKAI)).INV. ((MASARU) near2 (SHIMADA)).INV. ((YOSHITO) near2 (JIN)).INV. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/18 12:15 |
| S13 | 388630 | "metal oxide" or (metal adj oxide) or metal? oxide | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:15 |
| S14 | 171 | (electrode resistance oxide S13).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2008/12/18 12:15 |

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| S15 | 1 | S14 and S12 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2008/12/18 12:15 |
| S16 | 6 | (jp-08306806-\$ jp-07263646-\$ jp-08161933-\$).did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/18 12:16 |
| S17 | 18 | (jp-10341002-\$ jp-08031960-\$ jp-1052397-\$ jp-10152398-\$ jp-2003077911-\$ jp-2814416-\$ jp-2779997-\$ jp-09306806-\$ jp-07263646-\$ jp-08161933-\$ JP-50004986-\$ jp-49034390).did. ("3795977" "5811181"). PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/18 12:16 |
| S18 | 0 | S16 S17 S13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:16 |
| S19 | 2 | (S16 or S17) S13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:16 |
| S20 | 14106 | (particles powder) same S13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:20 |
| S21 | 77620 | (particles powder) same S13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/18 12:20 |
| S22 | 58786 | electrode resistance oxide S13 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:21 |

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| S23 | 5332 | electrode resistance oxide S13 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2008/12/18 12:21 |
| S24 | 738 | S21 S23 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2008/12/18 12:22 |
| S25 | 78141 | ("phase change" or phase?change or (phase adj change)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:23 |
| S26 | 13 | S24 S25 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:23 |
| S27 | 3039 | S13 S25 (particles or powder) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:32 |
| S28 | 201858 | electrode resistance oxide | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:32 |
| S29 | 995 | S13 S25 S28 (particles or powder) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:32 |
| S30 | 448 | S21 S29 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:32 |
| S31 | 356 | S21 S29 state | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:32 |

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| S32 | 55230 | bi?stable or bistable or (bi adj stable) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:33 |
| S33 | 40 | S31 S32 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 12:33 |
| S34 | 89 | (bi?stable or bistable or (bi adj stable)) adj resistance | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 13:03 |
| S35 | 49 | S34 S13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 13:04 |
| S36 | 20 | S34 same S13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 13:04 |
| S37 | 1833 | (bi?stable or bistable or (bi adj stable)) with resistance | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 13:51 |
| S38 | 189623 | source drain gate electrode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 13:51 |
| S39 | 63 | S37 S38 S25 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 13:51 |
| S40 | 61 | S37 S38 S13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 13:52 |

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| S41 | 99 | S39 or S40 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 13:52 |
| S42 | 25 | S39 S40 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 13:52 |
| S43 | 130 | (bi or bismuth) adj (ti or titanium) adj (oxygen or o) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/18 14:05 |
| S44 | 245 | "bitio" or ((bi or bismuth) adj (ti or titanium) adj (oxygen or o)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/18 14:05 |
| S45 | 2 | (bi?stable or bistable or (bi adj stable))S44 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/12/18 14:06 |
| S46 | 2 | "5811818".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/18 15:26 |
| S47 | 2 | "5811181".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/18 15:26 |
| S48 | 1053 | ((HIDEAKI) near2 (SAKAI)).INV. ((MASARU) near2 (SHIMADA)).INV. ((YOSHITO) near2 (JIN)).INV. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/01 21:01 |
| S49 | 409962 | "metal oxide" or (metal adj oxide) or metal? oxide | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/07/01 21:01 |

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| S50 | 180 | (electrode resistance oxide S49).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/07/01 21:01 |
| S51 | 1 | S50 and S48 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/07/01 21:01 |
| S52 | 25 | S50 and (gate adj (oxide or insulator)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/07/01 21:02 |
| S53 | 20 | source drain gate S49 ternary | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/07/01 21:03 |
| S54 | 0 | source drain gate 2binary | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/07/01 21:04 |
| S55 | 222 | source drain gate S49 binary | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/07/01 21:04 |
| S56 | 5634 | S49 electrode resistance oxide | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/07/01 21:04 |
| S57 | 6 | S55 S56 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/07/01 21:04 |
| S58 | 3 | source drain gate (binary adj S49) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/07/01 21:06 |

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| S59 | 9 | "resistivity switching binary metal oxide" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/07/01 21:07 |
| S60 | 7 | (resistivity switching binary metal oxide) and source and drain and gate | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/07/01 21:12 |
| S61 | 10 | (resistivity switching) and (binary metal oxide) and source and drain and gate | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/07/01 21:14 |
| S62 | 0 | (resistivity switching) and (ternary metal oxide) and source and drain and gate | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/07/01 21:15 |
| S63 | 133 | (resistivity switching) and (metal oxide) and source and drain and gate | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/07/01 21:15 |
| S64 | 2 | ((resistivity or resistance) switching) and (ternary metal oxide) and source and drain and gate | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/07/01 21:15 |

7/7/2009 6:43:40 PM

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